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 https://morita-tech.co.jp/en/archives/case_study/ota-testing-for-mimo-evaluation



 <https://www.youtube.com/watch?v=7EOhHET1-Bw&t=1s>



 <https://www.linkedin.com/in/morita-tech-inc-56b884394/>

 <https://x.com/MoritaL28171>

Company Introduction

Inspection systems and products developed with MORITA TECH's core technologies are used across a broad range of industries, including telecommunications, electronics, aerospace and defense, automotive, and medical engineering. With our four key solution strengths—6G/5G, EMC, shielding, and RF—we turn customer challenges into practical, high - value products and technologies.

Because every process—from hardware design and manufacturing to software development, covering both standard and fully customized products—is completed entirely in - house, MORITA TECH delivers optimal QCD (Quality, Cost, Delivery) solutions tailored to your needs.

Products Details

Testing MIMO and carrier aggregation using conventional methods—such as multiple monopole antennas or horn antennas—presents significant challenges. Protocol and EVM testing also become less cost - effective due to the large size and complexity of the required equipment. To address these limitations, MORITA TECH proposes an OTA (Over - The - Air) test environment that enables easy evaluation within a compact shielded box.

Instead of relying on traditional large - scale anechoic or reverberation chambers, we offer a desktop - scale OTA testing solution featuring a shielded box and antenna couplers. By utilizing MIMO test antenna couplers, users can efficiently perform maximum throughput communication tests, protocol communication tests, and handover tests between terminals and base stations. The compact OTA shielded box supports various configurations—including 4×4 MIMO, 8×8 MIMO, ENDC, and NRDC—and is equipped with an internal cooling fan. As a new product, it enables continuous 24 - hour operation for extended testing scenarios.

